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OCD Publication 2218-1

OFFICE OF CIVILIAN DEFENSE  
RESCUE SECTION - MEDICAL DIVISION

SYLLABUS

COURSE IN RESCUE TECHNIQUE  
FOR RESCUE SERVICE PERSONNEL

PILOT SCHOOL  
BUREAU OF MINES EXPERIMENT STATION

4800 FORBES STREET  
PITTSBURGH, PENNSYLVANIA  
October 4-14, 1943

JUL 20 1950







DAY AND  
TIME

SUBJECT

LECTURER

Monday  
Oct. 4

8:30 a.m. Registration, Introduction of Class Members, Formation of  
to Classes

9:00 a.m.

9:00 a.m. Introductory Remarks  
to

9:30 a.m.

9:30 a.m. The Medical Division, Office of Civilian Defense  
to Importance and significance of Field Care and Transportation  
11:00 a.m. of the Injured in Rescue Work

11:00 a.m. The Protection Branch of the Office of Civilian Defense  
to

12:00 m.

12:00 m. Lunch  
to

1:00 p.m.

1:00 p.m. General and local organization and operation of the U. S.  
to Citizens Defense Corps; the Control Center; the Air Raid  
2:00 p.m. Warning System and Blackouts

2:00 p.m. The Bureau of Mines. Interest and participation in the  
to Rescue Service.

3:00 p.m.

3:00 p.m. Film showing Rescue Squad in Action in Britain  
to

4:00 p.m.

S..H. Ash  
Chief, Rescue Section  
Office of Civilian Defense  
Washington, D. C.

George Baehr, M. D.  
Chief Medical Officer  
Office of Civilian Defense  
Washington, D. C.

Major General U. S. Grant, 3rd  
Chief, Protection Branch  
Office of Civilian Defense  
Washington, D. C.

H. van Zile Hyde, M. D.  
Chief, Field Casualty Section  
Office of Civilian Defense  
Washington, D. C.

Dr. R. R. Sayers  
Director, U. S. Bureau of Mines  
Washington, D. C.



DAY AND  
TIME

SUBJECT

LECTURER

Monday  
Oct. 4

7:00 p.m.

Emergency First Aid to the Injured

Bureau of Mines Personnel

to

(Lecture and Practice)

9:00 p.m.

(Any time left over can be spent in visiting facilities  
of the Bureau of Mines Experiment Station, or attending  
to hotel accommodations)



DAY AND TIME	SUBJECT	LECTURER
Tuesday Oct. 5		
8:00 a.m. to 10:00 a.m.	Latest Developments in Incendiaries and Techniques of Control (Lecture)	J. L. Danks Fire Defense Section Office of Civilian Defense Washington, D. C.
10:00 a.m. to 11:00 a.m.	Chemistry of Fire (Lecture)	Capt. Averill J. Hammer Chemical Warfare Service Edgewood Arsenal
11:00 a.m. to 12:00 m.	Handling Minor Fires (Lecture)	J. L. Danks Fire Defense Section Office of Civilian Defense Washington, D. C.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 2:00 p.m.	Organization and Operation of the Fire Department (Lecture)	J. L. Danks Fire Defense Section Office of Civilian Defense
2:00 p.m. to 3:00 p.m.	Organization, Functions, Development and Control of the Rescue Service, The Rescue Squad and Depot (Notes on British Practice)	S. H. Ash, Chief Rescue Section Office of Civilian Defense Washington, D. C.
3:00 p.m. to 4:00 p.m.	Organizing and Equipping a Rescue Service on A County and local level.	Theodore Whitesell Chief of Rescue Service Northampton County, Pa.
4:00 p.m. to 5:00 p.m.	Organizing and Equipping a Rescue Service on a Metropolitan level.	Roy A. MacGregor Chief of Rescue Service Allegheny County, Pa.



DAY AND

TIME

SUBJECT

LECTURER

Tuesday

Oct. 5

7:00 p.m.

Emergency First Aid to the Injured (lecture and practice)

Bureau of Mines Personnel

to

9:00 p.m.



DAY AND TIME	SUBJECT	LECTURER
Wednesday Oct. 6		
8:00 a.m. to	Organizing and Equipping a Rescue Service on a State level (Lecture)	Roger W. Wheeler Chief, Rescue Service State of Rhode Island
9:00 a.m. to	Emergency Field Care and Transportation of the Injured (Lecture and demonstration)	A. Wm. Reggio, M. D. Regional Medical Officer Office of Civilian Defense Boston, Massachusetts
12:00 m.		
12:00 m. to	Lunch.	
1:00 p.m. to	Rescue Squad Equipment (Recommended) (Lecture)	S. H. Ash Chief, Rescue Section Office of Civilian Defense Washington, D. C.
2:00 p.m.		
2:00 p. m. to	Building structures, Framed and Unframed Building, Single-story and Multi-story, Subways and Sub-surface	P. S. Miller Regional Rescue Officer Rescue Section Office of Civilian Defense
3:00 p.m.	Quarters and Utilities (Lecture)	
3:00 p.m. to	Inter-Service Cooperation in Rescue Technique, Mining, Tunneling, Building Trade and Heavy Construction	Fred W. Stiefel Consulting Mining-Civil Engineer New York, New York
5:00 p.m.	Personnel and Facilities (Lecture)	
7:00 p.m. to	Emergency First Aid to the Injured (Lecture and practice)	Bureau of Mines Personnel
9:00 p.m.		



DAY AND  
TIME

SUBJECT

LECTURER

Thursday  
Oct. 7

8:00 a.m. High Explosive Bombs: Types, Effects on Buildings, Protection  
to against Bombs, Air Raid Shelters; (British and American  
10:00 a.m. Experience). (Lecture)

Richard Fine,  
Protective Construction Unit  
Engineering Section  
Office of Civilian Defense  
Washington, D. C.

10:00 a.m. Flammability of the Common Gases and Vapors, (Utility gases,  
to Refrigerants, etc.) Encountered at Incidents  
11:00 a.m. (Lecture)

Dr. George Jones  
Senior Chemist  
Explosive Division  
U. S. Bureau of Mines  
Pittsburgh, Pa.

11:00 a.m. Toxicology of the Common Gases and Vapors Encountered at  
to Incidents. (Lecture)  
12:00 m.

Dr. H. H. Schrenk  
Chief Chemist  
U. S. Bureau of Mines  
Pittsburgh, Pa.

12:00 m. Lunch  
to  
1:00 p.m.

1:00 p.m. Introduction to Mine Rescue Training, Application to Rescue  
to at Incidents  
5:00 p.m. (Lecture and Demonstrations)

J. V. Berry, Director  
Safety and Compensation Industrial  
Collieries Company  
Johnstown, Pa.

Frank Griffith  
Mining Engineer  
Safety Division  
U. S. Bureau of Mines

7:00 p.m. The All-Service Gas Mask  
to Hose Mask, or Supplied Air Respirator, Self-contained  
9:00 p.m. Oxygen-Breathing (Practice)

Bureau of Mines Personnel



DAY AND TIME	SUBJECT	LECTURER
Friday Oct. 8		
8:00 a.m. to 9:00 a.m.	Methods of Detecting Common Gases (Lecture and demonstration)	C. H. . Dodge Assistant Chief, Rescue Section Office of Civilian Defense Washington, D. C.
9:00 a.m. to 10:00 a.m.	Manufacturing, Distribution and Control of Utility Services, Electricity (Lecture)	Henry Eliason, Engineer Consolidated Edison Company New York, New York
10:00 a.m. to 12:00 m.	Methods of Protection against Common Gases, Vapors and Dusts Encountered at Incidents (Lecture)	Dr. W. P. Yant Research Director Mine Safety Appliances Company Pittsburgh, Pa.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 2:00 p.m.	Manufacturing, Distribution and Control of Utility Services, Gas and Steam (Lecture)	Henry Eliason, Engineer Consolidated Edison Company New York, New York
2:00 p.m. to 5:00 p.m.	Rescue Squad Equipment, Vehicles and Operations (Lecture, Demonstrations by Trained Rescue Squad)	Theodore Whitesell Chief, Rescue Service and Selected Rescue Squad Northampton County, Pa.
7:00 p.m. to 9:00 p.m.	Emergency First Aid to the Injured (Lecture and practice)	Bureau of Mines Personnel



DAY AND  
TIME

SUBJECT . . .

LECTURER

Saturday  
Oct. 9

8:00 a.m. to 12:00 m.	Mine Rescue Training, Application to Rescue at Incidents	Bureau of Mines Personnel
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 3:00 p.m.	Inter-Service and Mobilization of Utility Emergency Service (Lecture)	Henry Elinson, Engineer Consolidated Edison Company New York, New York
3:00 p.m. to 4:00 p.m.	Organization of Training and Organization of Schools (Lecture)	S. H. Ash Chief, Rescue Section Office of Civilian Defense Washington, D. C.
4:00 p.m. to 5:00 p.m.	How to Train The Responsibility of Every Instructor (Lecture)	Dr. Kenneth L. Heaton Principal Consultant Training Section Office of Civilian Defense Washington, D. C.



DAY AND TIME	SUBJECT	LECTURER
Monday Oct. 11		
8:00 a.m. to 10:00 a.m.	Rescue Training Practice in the United Kingdom (Lecture)	S. H. Ash, Chief Rescue Section Office of Civilian Defense Washington, D. C.
10:00 a.m. to 12:00 m.	Ropes, Knots and Lashings	Representative U. S. Maritime Service
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 3:00 p.m.	Ropes, Knots and Lashings	Representative U. S. Maritime Service
3:00 p.m. to 5:00 p.m.	Applications of Heavy Equipment (Lecture)	
7:00 p.m. to 9:00 p.m.	Mine Rescue Training, Application to Rescue at Incidents	Bureau of Mines Personnel



DAY AND  
TIME

SUBJECT

LECTURER

Tuesday  
Oct. 12

8:00 a.m. Water Supply Systems and Damage to Water Mains  
to  
9:00 a.m.

Roger W. Estey  
Superintendent, Water Works  
Danvers, Massachusetts

9:00 a.m. Shoring and Demolition  
to (Lecture and Demonstrations)  
11:00 a.m.

P. S. Miller  
Regional Rescue Officer  
Rescue Section  
Office of Civilian Defense

11:00 a.m. Action of Rescue Squad on Alarms and Call-outs, Contacting  
to Officers, and Leadership at Incidents  
12:00 m.

Rescue Section Personnel

12:00 m. Lunch  
to  
1:00 p.m.

1:00 p.m. Trip through Mine Safety Appliances Company Plant  
to  
5:00 p.m.

By Mine Safety Appliances Co.

7:00 p.m. Emergency First Aid to Injured  
to  
9:00 p.m.

Bureau of Mines Personnel



DAY AND  
TIME

SUBJECT

LECTURER

Wednesday  
Oct. 13

8:00 a.m.      Reconnaissance and Rescue by Stages  
to                      (Lecture)

10:00 a.m.

S. H. Ash, Chief  
Rescue Section  
Office of Civilian Defense  
Washington, D. C.

10:00 a.m.      Rescue by Clearance of Debris  
to                      (Lecture)

12:00 m.

P. S. Miller, Regional Officer  
Rescue Section  
Office of Civilian Defense  
Washington, D. C.

12:00 m.      Lunch  
to

1:00 p.m.

1:00 p.m.      Rescue by Trenching and Tunneling  
to                      (Lecture and Practice)

5:00 p.m.

Rescue Section Personnel

7:00 p.m.      Emergency First Aid to the Injured  
to

9:00 p.m.

Bureau of Mines Personnel



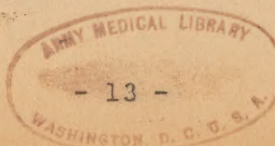
DAY AND  
TIME

SUBJECT

LECTURER

Thursday  
Oct. 14

8:00 a.m. to 9:00 a.m.	Rescue in the Presence of Common Gases (Lecture)	Charles H. Dodge Assistant Chief, Rescue Section Office of Civilian Defense Washington, D. C.
9:00 a.m. to 10:00 a.m.	Recovery of the Dead; Salvage of Property and Valuables (Lecture)	Dr. Victor H. Vogel Administrative Director Blood Plasma Section U. S. Office of Civilian Defense Washington, D. C.
10:00 a.m. to 12:00 m.	Chemical Warfare Agents, First Aid for Chemical Casualties, Protective Equipment, Gas Protection Methods, and Organization (Lecture)	Dr. Eugene W. Scott Chief Gas Officer Office of Civilian Defense Washington, D. C.
12:00 m. to 1:00 p.m.	Lunch	
1:00 p.m. to 2:00 p.m.	Rescue in Presence of War Gases, Decontamination (Lecture)	Gas Protection Section Office of Civilian Defense Washington, D. C.
2:00 p.m. to 3:00 p.m.	Gas Chamber (Exercise)	Lt. M. R. Vickers, C.W.S. Third Service Command Baltimore, Maryland
3:00 p.m. to 5:00 p.m.	Gas Identification (Exercise) Decontamination (Exercise)	Lt. M. R. Vickers, C.W.S. Third Service Command Baltimore, Maryland
7:00 p.m. to 9:00 p.m.	Emergency First Aid to the Injured	Bureau of Mines Personnel



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